

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number
WO 2005/068377 A1

- (51) International Patent Classification⁷: **C02F 1/68**
- (21) International Application Number:
PCT/AU2005/000049
- (22) International Filing Date: 17 January 2005 (17.01.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
2004900186 15 January 2004 (15.01.2004) AU

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

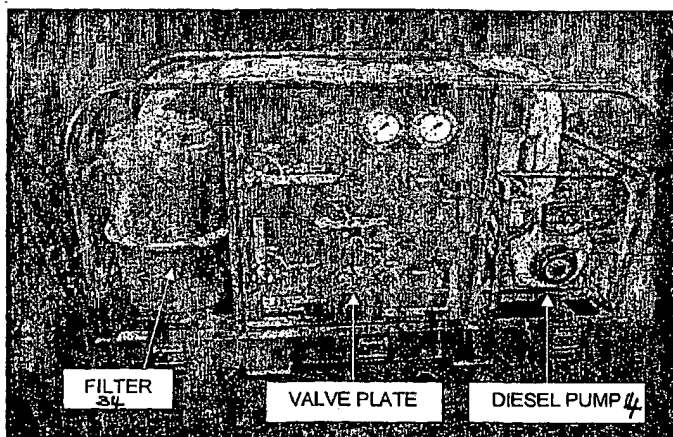
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

- (71) Applicant (for all designated States except US): **WODAPURE PTY LTD** [AU/AU]; Tok H Corporate Centre, Level 1, 459 Toorak Road, Toorak, VIC 3142 (AU).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **EVERTON, Michael** [AU/AU]; Tok H Corporate Centre, Level 1, 459 Toorak Road, Toorak, Victoria 3142 (AU).
- (74) Agent: **GRIFFITH HACK**; Level 3, 509 St Kilda Road, St Kilda, Victoria 3004 (AU).

Published:
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **WATER PURIFICATION PLANT**



(57) Abstract: A water purification unit is described having a number of sub-assemblies arranged in a more or less modular arrangement including a compression unit and a sterilization unit. The water purification unit is operated at a throughput rate less than the maximum throughput rate so that the flow rate of raw water being treated by the water purification unit is as at a predetermined rate in order to reduce the effects of blinding of the filter. The sterilization rate is calculated in accordance with the predetermined first flow rate so that the dosage rate of sterilization agent remains substantially constant thereby avoiding fluctuations in the dosage rate so that the treated water has an amount of sterilizing agent within a predetermined range.

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